	Туре	# #	Hits	Search Text	DBs	Time Stamp Co	Comments	rror Definition
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2	BRS	L2	56	463/23.ccls.	USPAT	000/ 8:24		
3	BRS	L3	208	463/25.ccls.	USPAT	000/01 8:27		
4	BRS	L4	87	463/43.ccls.	USPAT	000/01 8:29		
2	BRS	L5	136	463/36.ccls.	USPAT	000/01 8:41		
9	BRS	L6	148	463/37.ccls.	USPAT	0/01 15		
7	BRS	L7	45	463/30.ccls.	USPAT	000/01 9:17		
ω	BRS	L8	202	463/31.ccls.	USPAT	000/01 9:23		
0	BRS	L9	136	463/36.ccls.	USPAT	000/ 9:28		
10	BRS	L10	88	463/38.ccls.	USPAT	000/ 9:30		
11	BRS	L11	15	463/8.ccls.	USPAT	000/01 9:33		
12	BRS	L12	59	463/7.ccls.	USPAT	000/ 9:36		
13	BRS	L13.	115	vibration adj switch	USPAT	000/01 9:42		
14	BRS	L14	22643	345/\$.ccls.	USPAT	000/01 9:44		
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17	BRS	L17	24119	input adj device	USPAT	000/01/ 0:34		
18	BRS	L18	112	178/18.04.ccls. ·	USPAT	00	•	

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	Ω	н	Document ID	Issue Date Pages	Pages	Title	Current OR
1			US 5947819 A	19990907 28	28	Object-throwing video game system	463/2
2			US 5207793 A	19930504	10	Hammering game	273/445
3			US 4673367 A	19870616	11	Animated figure toy	446/4
4			US 4319751 A	19820316	6	9820316 9 Hammer game 273/440.1	273/440.1
5			US 3708168 A	19730102	æ	9730102 3 GAME APPARATUS	273/447

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	Current XRef	Retrieval Classif	Inventor	S	S C P 2 3 4	Д	2	т	4	5
1	1		Ohshima, Naoto	\boxtimes						
2	273/440 ; 446/1		Brand, Derek A. , et al.	\boxtimes						
3	446/330 ; 446/365		MacBain, Ronald H.	☒						
4	446/334 ; 446/4		Kurushima, Minoru , et al.	\boxtimes						
5	273/287		Strader, George C. , et al.	⊠						

	Type	# T	Hits	Search Text	DBs	Time Stamp Co	Comments Er	Error Definition
1	IS&R	L1	62	("273/378").CCLS.	USPAT	000/01/0 4:09		
2	IS&R	L2	81	("273/386").CCLS.	USPAT	2000/01/06 14:22		
3	BRS	L4	0	WHACKING ADJ GAME	USPAT	000/ 4:12		
4	BRS	L6	134	273/446	USPAT	000/01/0 4:17		
2	BRS	L7	94	273/446.CCLS.	USPAT	000/ 4:19		
9	BRS	L8	П	WHACKING ADJ3 PLAYER	USPAT	000/c 4:20		
7.	IS&R	L9	78	("273/387").CCLS.	USPAT	000/0 5:10		
8	BRS	L10	136	463/36.CCLS.	USPAT	000/c 5:19		
9	BRS	L11	148	463/37.CCLS.	USPAT	000/ 5:25		
10	BRS	L12	8 6	463/46.CCLS.	USPAT	000/ 5:28		
11	BRS	L13	ഹ	HAMMER ADJZ GAME	USPAT	000/01/0 5:50		
12	BRS	L14	396	463/30	USPAT	000/01/0 5:45		-
13	BRS	L15	361	463/31	USPAT	000/ 5:47		
14	BRS	L16	23821	473/\$.ccls.	USPAT	000/0 5:47		
15	BRS	L17	13	WHACKING	USPAT	000/01/0 5:48		
16	BRS	L18	455779	5779 HOUSING	USPAT	000/01/0 5:50		
17	BRS	L19	1250	16 AND 18	USPAT	000/01/0 6:05		
18	BRS	120	r-1	5931465	USPAT	:0 0 :		

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	Type	# "	Hits	Search Text	DBs		Comments	Error Definition
1	IS&R	L 1	62	("273/378").CCLS.	USPAT	2000/01/06 14:09		
2	IS&R	L2	81	("273/386").CCLS.	USPAT	2000/01/06 14:22		
3	BRS	L4	0	WHACKING ADJ GAME	USPAT	2000/01/06 14:12		
4	BRS	L6	134	273/446	USPAT	2000/01/06 14:17		
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9	BRS	L8	П	WHACKING ADJ3 PLAYER	USPAT	2000/01/06 14:20		
7	IS&R	F)	78	("273/387").CCLS.	USPAT	2000/01/06 15:10		
8	BRS	L10	136	463/36.CCLS.	USPAT	2000/01/06 15:19		
0	BRS	L11	148	463/37.CCLS.	USPAT	2000/01/06 15:25		
10	BRS	L12	98	463/46.CCLS.	USPAT	2000/01/06 15:28		
11	BRS	L13	2	HAMMER ADJ2 GAME	USPAT	2000/01/06 15:35		
12	BRS	L14	396	463/30	USPAT	2000/01/06 15:45		
13	BRS	L15	361	463/31	USPAT	2000/01/06 15:47		
14	BRS	L16	23821	473/\$.CCLS.	USPAT	2000/01/06 15:47		
15	BRS	L17	13	WHACKING	USPAT	2000/01/06 15:48		

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1			☐ US 5947819 A	19990907	28	Object-throwing video game system	463/2
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3			US 4673367 A	19870616 11		Animated figure toÿ	446/4
4			US 4319751 A	19820316 9		9 Hammer game 273/440.1	273/440.1
5			US 3708168 A		Е	GAME APPARATUS	273/447

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Н	463/32 ; 463/36		Ohshima, Naoto			1	🏚			
2	273/440 ; 446/1		Brand, Derek A. , et al.	⊠						
3	446/330 ; 446/365		MacBain, Ronald H.							
4	446/334 ; 446/4		Kurushima, Minoru , et al.	⊠						
2	273/287		Strader, George C. , et al.	×						



United States Patent [19]

Kousaki

5,993,318

[11] Patent Number:

Nov. 30, 1999

[45] Date of Patent:

[54] GAME DEVICE, IMAGE SOUND PROCESSING DEVICE AND RECORDING MEDIUM

- [75] Inventor: Tatsuya Kousaki, Tokyo, Japan
- Assignee: Kabushild Kaisha Sega Enterprises, Tokyo, Japan 73
- [21] Appl. No.: 08/964,378
- Nov. 6, 1997 [22] Filed:
- Foreign Application Priority Data [30]

8-295539 Nov. 7, 1996 [JP] Japan

. A63F 9/22 [51] Int. CI.6

[58] Field of Search

463/35; 463/35; 434/69

[52] U.S. CI.

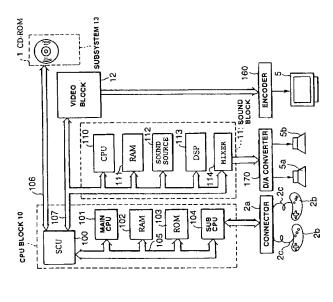
463/35, 30–34, 463/36, 40–44, 17; 381/17

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by observing a virtual space from any one of a plurality of viewpoints set inside this space. It comprises sound generation conditions determining means for identifying the viewpoint of the virtual image currently being generated and determining sound generation conditions for the sound corresponding to the identified viewpoint, and sound generating means for generating sound based on sound signals in Sound processing technology is provided whereby sound can be changed to correspond to changes in the viewpoint generates sound corresponding to a virtual image obtained determined by the sound generation conditions determining means. A very realistic environment is provided to a player for generating a virtual image. The sound processing device accordance with the determined sound generation conditions viewing the image.

17 Claims, 8 Drawing Sheets



OTHER PUBLICATIONS

Portion of "Sega Saturn Magazine", vol. 16, published Sep. 13, 1996. Portion of "Sega Sarum Magazine", vol. 17, published Sep. 30, 1997.

Primary Examiner—Valencia Martin-Wallace Assistant Examiner—Sheila Clayton Attorney, Agent, or Firm—Fitnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

ABSTRACT

[57]